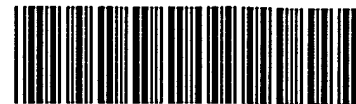


RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/009,854B
Source: IFW0
Date Processed by STIC: 2-8-06

ENTERED



IFWO

RAW SEQUENCE LISTING

DATE: 02/08/2006

PATENT APPLICATION: US/10/009,854B

TIME: 12:37:03

Input Set : A:\K 2892 Jan06.ST25.txt

Output Set: N:\CRF4\02082006\J009854B.raw

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3 <110> APPLICANT: KTB Tumorforschung
5 <120> TITLE OF INVENTION: Carrier-drug conjugates
7 <130> FILE REFERENCE: K 2892
9 <140> CURRENT APPLICATION NUMBER: US 10/009,854B
C--> 10 <141> CURRENT FILING DATE: 2001-12-11
12 <150> PRIOR APPLICATION NUMBER: DE 19926475.9
13 <151> PRIOR FILING DATE: 1999-06-10
15 <160> NUMBER OF SEQ ID NOS: 27
17 <170> SOFTWARE: PatentIn version 3.3
19 <210> SEQ ID NO: 1
20 <211> LENGTH: 8
21 <212> TYPE: PRT
22 <213> ORGANISM: Artificial sequence
24 <220> FEATURE:
25 <223> OTHER INFORMATION: Octapeptide which stimulates the cleavage sequence of the
26     collagen chain and is cleaved with particular efficiency by MMP2
27     and MMP9.
29 <400> SEQUENCE: 1
31 Gly Pro Leu Gly Ile Ala Gly Gln
32 1           5
35 <210> SEQ ID NO: 2
36 <211> LENGTH: 8
37 <212> TYPE: PRT
38 <213> ORGANISM: Artificial sequence
40 <220> FEATURE:
41 <223> OTHER INFORMATION: Octapeptide which stimulates the cleavage sequence of the
42     collagen chain and is cleaved with particular efficiency by MMP2
43     and MMP9.
45 <400> SEQUENCE: 2
47 Gly Pro Gln Gly Ile Trp Gly Gln
48 1           5
51 <210> SEQ ID NO: 3
52 <211> LENGTH: 4
53 <212> TYPE: PRT
54 <213> ORGANISM: Artificial sequence
56 <220> FEATURE:
57 <223> OTHER INFORMATION: Peptide cleaved by cathepsin B
59 <400> SEQUENCE: 3
61 Gly Phe Leu Gly
62 1
65 <210> SEQ ID NO: 4
66 <211> LENGTH: 4
67 <212> TYPE: PRT

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RAW SEQUENCE LISTING

DATE: 02/08/2006

PATENT APPLICATION: US/10/009,854B

TIME: 12:37:03

Input Set : A:\K 2892 Jan06.ST25.txt

Output Set: N:\CRF4\02082006\J009854B.raw

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68 <213> ORGANISM: Artificial sequence
70 <220> FEATURE:
71 <223> OTHER INFORMATION: Peptide cleaved by cathepsin B
73 <400> SEQUENCE: 4
75 Gly Phe Ala Leu
76 1
79 <210> SEQ ID NO: 5
80 <211> LENGTH: 4
81 <212> TYPE: PRT
82 <213> ORGANISM: Artificial sequence
84 <220> FEATURE:
85 <223> OTHER INFORMATION: Peptide cleaved by cathepsin B
87 <400> SEQUENCE: 5
89 Ala Leu Ala Leu
90 1
93 <210> SEQ ID NO: 6
94 <211> LENGTH: 16
95 <212> TYPE: PRT
96 <213> ORGANISM: Artificial sequence
98 <220> FEATURE:
99 <223> OTHER INFORMATION: Peptide containing two cleavage sites for MMP 2 and MMP9.
101 <400> SEQUENCE: 6
103 Gly Pro Leu Gly Ile Ala Gly Gln Gly Pro Leu Gly Ile Ala Gly Gln
104 1          5          10          15
107 <210> SEQ ID NO: 7
108 <211> LENGTH: 12
109 <212> TYPE: PRT
110 <213> ORGANISM: Artificial sequence
112 <220> FEATURE:
113 <223> OTHER INFORMATION: Peptide containing several cleavage sites for cathepsin B.
115 <400> SEQUENCE: 7
117 Phe Lys Phe Lys Phe Lys Phe Lys Phe Lys Phe Lys
118 1          5          10
121 <210> SEQ ID NO: 8
122 <211> LENGTH: 6
123 <212> TYPE: PRT
124 <213> ORGANISM: Artificial sequence
126 <220> FEATURE:
127 <223> OTHER INFORMATION: Peptide containing several repetitive cleavage sites for
128 cathepsin B.
130 <400> SEQUENCE: 8
132 Gly Gly Phe Lys Phe Lys
133 1          5
136 <210> SEQ ID NO: 9
137 <211> LENGTH: 8
138 <212> TYPE: PRT
139 <213> ORGANISM: Artificial sequence
141 <220> FEATURE:
142 <223> OTHER INFORMATION: Octapeptide which is cleaved by MMP9.

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RAW SEQUENCE LISTING

DATE: 02/08/2006

PATENT APPLICATION: US/10/009,854B

TIME: 12:37:04

Input Set : A:\K 2892 Jan06.ST25.txt

Output Set: N:\CRF4\02082006\J009854B.raw

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144 <400> SEQUENCE: 9
146 Gln Gly Ala Ile Gly Leu Pro Gly
147 1 5
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153 <213> ORGANISM: Artificial
155 <220> FEATURE:
156 <223> OTHER INFORMATION: Peptide containing several repetitive cleavage sites for
157 cathepsin B.
159 <400> SEQUENCE: 10
161 Gly Gly Gly Phe Lys Phe Lys
162 1 5
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166 <211> LENGTH: 8
167 <212> TYPE: PRT
168 <213> ORGANISM: Artificial
170 <220> FEATURE:
171 <223> OTHER INFORMATION: Peptide containing several repetitive cleavage sites for
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174 <400> SEQUENCE: 11
176 Gly Gly Gly Gly Phe Lys Phe Lys
177 1 5
180 <210> SEQ ID NO: 12
181 <211> LENGTH: 9
182 <212> TYPE: PRT
183 <213> ORGANISM: Artificial
185 <220> FEATURE:
186 <223> OTHER INFORMATION: Peptide containing several repetitive cleavage sites for
187 cathepsin B.
189 <400> SEQUENCE: 12
191 Gly Gly Gly Gly Phe Lys Phe Lys
192 1 5
195 <210> SEQ ID NO: 13
196 <211> LENGTH: 10
197 <212> TYPE: PRT
198 <213> ORGANISM: Artificial
200 <220> FEATURE:
201 <223> OTHER INFORMATION: Peptide containing several repetitive cleavage sites for
202 cathepsin B.
204 <400> SEQUENCE: 13
206 Gly Gly Gly Gly Gly Gly Phe Lys Phe Lys
207 1 5 10
210 <210> SEQ ID NO: 14
211 <211> LENGTH: 11
212 <212> TYPE: PRT
213 <213> ORGANISM: Artificial
215 <220> FEATURE:
216 <223> OTHER INFORMATION: Peptide containing several repetitive cleavage sites for

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RAW SEQUENCE LISTING

DATE: 02/08/2006

PATENT APPLICATION: US/10/009,854B

TIME: 12:37:04

Input Set : A:\K 2892 Jan06.ST25.txt

Output Set: N:\CRF4\02082006\J009854B.raw

217 cathepsin B.
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 221 Gly Gly Gly Gly Gly Gly Gly Phe Lys Phe Lys
 222 1 5 10
 225 <210> SEQ ID NO: 15
 226 <211> LENGTH: 12
 227 <212> TYPE: PRT
 228 <213> ORGANISM: Artificial
 230 <220> FEATURE:
 231 <223> OTHER INFORMATION: Peptide containing several repetitive cleavage sites for
 232 cathepsin B.
 234 <400> SEQUENCE: 15
 236 Gly Gly Gly Gly Gly Gly Gly Gly Phe Lys Phe Lys
 237 1 5 10
 240 <210> SEQ ID NO: 16
 241 <211> LENGTH: 13
 242 <212> TYPE: PRT
 243 <213> ORGANISM: Artificial
 245 <220> FEATURE:
 246 <223> OTHER INFORMATION: Peptide containing several repetitive cleavage sites for
 247 cathepsin B.
 249 <400> SEQUENCE: 16
 251 Gly Gly Gly Gly Gly Gly Gly Gly Gly Phe Lys Phe Lys
 252 1 5 10
 255 <210> SEQ ID NO: 17
 256 <211> LENGTH: 14
 257 <212> TYPE: PRT
 258 <213> ORGANISM: Artificial
 260 <220> FEATURE:
 261 <223> OTHER INFORMATION: Peptide containing several repetitive cleavage sites for
 262 cathepsin B.
 264 <400> SEQUENCE: 17
 266 Gly Gly Gly Gly Gly Gly Gly Gly Gly Phe Lys Phe Lys
 267 1 5 10
 270 <210> SEQ ID NO: 18
 271 <211> LENGTH: 15
 272 <212> TYPE: PRT
 273 <213> ORGANISM: Artificial
 275 <220> FEATURE:
 276 <223> OTHER INFORMATION: Peptide containing several repetitive cleavage sites for
 277 cathepsin B.
 279 <400> SEQUENCE: 18
 281 Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Phe Lys Phe Lys
 282 1 5 10 15
 285 <210> SEQ ID NO: 19
 286 <211> LENGTH: 16
 287 <212> TYPE: PRT
 288 <213> ORGANISM: Artificial
 290 <220> FEATURE:

RAW SEQUENCE LISTING

DATE: 02/08/2006

PATENT APPLICATION: US/10/009,854B

TIME: 12:37:04

Input Set : A:\K 2892 Jan06.ST25.txt

Output Set: N:\CRF4\02082006\J009854B.raw

291 <223> OTHER INFORMATION: Peptide containing several repetitive cleavage sites for
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 294 <400> SEQUENCE: 19
 296 Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Phe Lys Phe Lys
 297 1 5 10 15
 300 <210> SEQ ID NO: 20
 301 <211> LENGTH: 17
 302 <212> TYPE: PRT
 303 <213> ORGANISM: Artificial
 305 <220> FEATURE:
 306 <223> OTHER INFORMATION: Peptide containing several repetitive cleavage sites for
 307 cathepsin B.
 309 <400> SEQUENCE: 20
 311 Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Phe Lys Phe
 312 1 5 10 15
 315 Lys
 319 <210> SEQ ID NO: 21
 320 <211> LENGTH: 18
 321 <212> TYPE: PRT
 322 <213> ORGANISM: Artificial
 324 <220> FEATURE:
 325 <223> OTHER INFORMATION: Peptide containing several repetitive cleavage sites for
 326 cathepsin B.
 328 <400> SEQUENCE: 21
 330 Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Phe Lys
 331 1 5 10 15
 334 Phe Lys
 338 <210> SEQ ID NO: 22
 339 <211> LENGTH: 19
 340 <212> TYPE: PRT
 341 <213> ORGANISM: Artificial
 343 <220> FEATURE:
 344 <223> OTHER INFORMATION: Peptide containing several repetitive cleavage sites for
 345 cathepsin B.
 347 <400> SEQUENCE: 22
 349 Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Phe
 350 1 5 10 15
 353 Lys Phe Lys
 357 <210> SEQ ID NO: 23
 358 <211> LENGTH: 20
 359 <212> TYPE: PRT
 360 <213> ORGANISM: Artificial
 362 <220> FEATURE:
 363 <223> OTHER INFORMATION: Peptide containing several repetitive cleavage sites for
 364 cathepsin B.
 366 <400> SEQUENCE: 23
 368 Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly
 369 1 5 10 15
 372 Phe Lys Phe Lys

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/009,854B

DATE: 02/08/2006
TIME: 12:37:05

Input Set : A:\K 2892 Jan06.ST25.txt
Output Set: N:\CRF4\02082006\J009854B.raw

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27

VERIFICATION SUMMARY

DATE: 02/08/2006

PATENT APPLICATION: US/10/009,854B

TIME: 12:37:05

Input Set : A:\K 2892 Jan06.ST25.txt

Output Set: N:\CRF4\02082006\J009854B.raw

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date